

TORSO HARNESS GARMENT

PURPOSE

The Torso Harness Garment has been created to fulfil a requirement raised by the production of very high speed, low altitude aircraft, from which ejection presents problems of wind blast hitherto unknown.

The garment has been designed to function in conjunction with the appropriate ejector seat and incorporates a self adjusting parachute harness and arm restraint lanyards.

Severe testing at high air blast speeds have proved its construction and serviceability.

The Torso Harness Garment may be worn with a pressure jerkin and anti-g suit as well as an immersion suit.

DESCRIPTION

The Torso Harness Garment is a one-piece sleeved close fitting garment, constructed from a very strong synthetic fabric yet light in weight and is blue/grey in colour. It is easily donned in a conventional manner similar to a flying overall, and it is closed at the centre by a sliding fastener.

A streamlined flotation system, completely shrouded, is inflated manually by a quick acting mechanism from a standard 34 gramme cylinder.

A parachute harness fitted with quick release attachments for the canopy is incorporated inside the garment. Arm restraint lanyards enclosed in polythene conduits are fitted to each arm and routed across the front of each side of the garment. Whilst permitting full range of movement in normal flight, on ejection the arms become fully restrained to prevent flailing.

Pockets for the stowage of the radio equipment are fitted, as also are lanyards with connectors for the attachment of a dinghy pack.



SIZES

The suit is manufactured in ten sizes to fit wearers of the measurements listed below.

Size	Chest	Maximum Torso Measurement
1	33 in to 36 in (84 to 91 cm)	62 in (157.48 cm)
2	33 in to 36 in (84 to 91 cm)	67 in (170.18 cm)
3	36 in to 39 in (91 to 99 cm)	62 in (157.48 cm)
4	36 in to 39 in (91 to 99 cm)	65½ in (167.37 cm)
5	36 in to 39 in (91 to 99 cm)	69 in (175.26 cm)
6	39 in to 42 in (99 to 106 cm)	63 in (160.02 cm)
7	39 in to 42 in (99 to 106 cm)	66½ in (169.91 cm)
8	39 in to 42 in (99 to 106 cm)	70 in (177.80 cm)
9	42 in to 45 in (106 to 114 cm)	65 in (165.10 cm)
10	42 in to 45 in (106 to 114 cm)	70 in (177.80 cm)



Torso Harness Garment with Stole Inflated